

## SEARCH REQUEST FORM

## Scientific and Technical Information Center

Requester's Full Name: KASHNICKOW, ANDRES Examiner #: 60484 Date: 4/11/0  
 Art Unit: 3700 Phone Number 308-1137 Serial Number: 09/776,394  
 Mail Box and Bldg/Room Location: CP2 - 2A01 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Human Spinal Disc Prosthetic

Inventors (please provide full names): Spinal Technologies Inc.

Earliest Priority Filing Date: Spinal Dynamics Corp.

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

LIT SEARCH FOR 5865,846

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher: <u>JEANNE HOPRIGAN</u>		NA Sequence (#) _____	STN _____
Searcher Phone #: <u>305-5434</u>		AA Sequence (#) _____	Dialog <input checked="" type="checkbox"/> _____
Searcher Location: <u>CP2 - 2C08</u>		Structure (#) _____	Questel/Orbit <input checked="" type="checkbox"/> <sup>1/2</sup> _____
Date Searcher Picked Up: <u>4-12</u>		Bibliographic _____	Dr. Link _____
Date Completed: <u>4-12</u>		Litigation <input checked="" type="checkbox"/> _____	Lexis/Nexis <input checked="" type="checkbox"/> _____
& Review Time: <u>15</u>		Fulltext _____	Sequence Systems _____
		Patent Family _____	WWW/Internet _____
		Other _____	Other (specify) _____

April 12, 2001

TO:           Andres Kashnikow, Art Unit 3700  
FROM:        Jeanne Horrigan, EIC-3700 *JH*  
SUBJECT:      Litigation Search Results for US Patent 5,865,846

Attached are the litigation search results for US Patent 5,865,846. The search was conducted in three databases: Inpadoc, Lexis/Nexis, and Questel. Here is a summary of the results.

- Patent family and legal status (from Inpadoc)
- Legal status (from Questel)
- Brief descriptive information (from Lexis/Nexis)

There were no litigation alerts, patent status, or claims/reissue, reexam information on the patent in Questel. There were no law cases, law journal articles, or current news articles on the patent in Lexis/Nexis.

I hope this information is useful. Please let me know if you have any questions or need more information.

INPADOC

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**Basic Patent (Number,Kind,Date):** US 5674296 A 19971007**Patent Family:**

Patent Number	Kind	Date	Application Number	Kind	Date
CA 2202453	AA	19981011	CA 2202453	A	19970411
<u>EP 820740</u>	A1	19980128	EP 97303934	A	19970606
<u>US 5674296</u>	A	19971007	US 681230	A	19960722 (Basic)
<u>US 5865846</u>	A	19990202	US 856513	A	19970515
<u>US 6001130</u>	A	19991214	US 944378	A	19971006
<u>US 6156067</u>	A	20001205	US 856846	A	19970515

**Priority Data:**

Patent Number	Kind	Date
CA 2202453	A	19970411
US 681230	A	19960722
US 339490	A	19941114
US 339490	B2	19941114
US 856513	A	19970515
US 681230	A3	19960722
US 944378	A	19971006
US 681230	A2	19960722
US 856846	A	19970515

**PATENT FAMILY:****Canada (CA)****Patent (Number,Kind,Date):** CA 2202453 AA 19981011

HUMAN SPINAL DISC PROSTHESIS(English; French)

Patent Assignee: BRYAN VINCENT (US); KUNZLER ALEX (US)

Author (Inventor): BRYAN VINCENT (US); KUNZLER ALEX (US)

Priority (Number,Kind,Date): CA 2202453 A 19970411; US 681230 A 19960722; US 339490 A

19941114

Appl (Number,Kind,Date): CA 2202453 A 19970411

IPC: \* A61F-002/44

Derwent WPI Acc No: \* G 97-502225; G 99-141763

Language of Document: English

**European Patent Office (EP)**

Patent (Number,Kind,Date): EP 820740 A1 19980128

HUMAN SPINAL DISC PROSTHESIS (English; French; German)

Patent Assignee: BRYAN VINCENT (US); KUNZLER ALEX (US)

Author (Inventor): BRYAN VINCENT (US); KUNZLER ALEX (US)

Priority (Number,Kind,Date): CA 2202453 A 19970411; US 681230 A 19960722

Appl (Number,Kind,Date): EP 97303934 A 19970606

Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* A61F-002/44

Derwent WPI Acc No: \* G 97-502225; G 99-141763

Language of Document: English

**European Patent Office (EP) - Legal Status**

Number	Type	Date	Code	Text	
EP 820740	P	19960722	EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
				US 681230 A 19960722	
EP 820740	P	19970411	EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
				CA 2202453 A 19970411	
EP 820740	P	19970606	EP AE	EP-APPLICATION	(EUROPAEISCHE ANMELDUNG)
				EP 97303934 A 19970606	
EP 820740	P	19980128	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:	(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
				AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE	
EP 820740	P	19980128	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT	(VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 820740	P	19980923	EP 17P	REQUEST FOR EXAMINATION FILED	(PRUEFUNGSANTRAG GESTELLT)
				980727	
EP 820740	P	19981007	EP RBV	DESIGNATED CONTRACTING STATES (CORRECTION):	(BENANNTE VERTRAGSSTAATEN (KORR.))

AT BE CH DE DK ES FI		
FR GB GR IE IT LI LU MC		
NL PT SE		
EP P 19990203 EP	APPLICANT	(ANMELDER (KORR.))
820740 RAP1	(CORRECTION)	
	SPINAL DYNAMICS	
	CORPORATION	
EP P 19990203 EP	INVENTOR	(ERFINDER (KORR.))
820740 RIN1	(CORRECTION)	
	BRYAN, VINCENT ;	
	KUNZLER, ALEX	
EP P 20001011 EP	FIRST EXAMINATION	(ERSTER
820740 17Q	REPORT	PRUEFUNGSBESCHEID)
	20000823	

### United States of America (US)

Patent (Number,Kind,Date): US 5674296 A 19971007

HUMAN SPINAL DISC PROSTHESIS(English)

Patent Assignee: SPINAL DYNAMICS CORP (US)

Author (Inventor): BRYAN VINCENT (US); KUNZLER ALEX (US)

Priority (Number,Kind,Date): US 681230 A 19960722; CA 2202453 A 19970411; US 339490 B2 19941114

Applic (Number,Kind,Date): US 681230 A 19960722

National Class: \* 623017000; 606061000

IPC: \* A61F-002/44

Derwent WPI Acc No: \* G 97-502225; G 99-141763; G 97-502225

Languageof Document: English

Patent (Number,Kind,Date): US 5865846 A 19990202

HUMAN SPINAL DISC PROSTHESIS (English)

Patent Assignee: BRYAN VINCENT (US); KUNZLERALEX (US)

Author (Inventor): BRYAN VINCENT (US); KUNZLER ALEX (US)

Priority(Number,Kind,Date): US 856513 A 19970515; CA 2202453 A 19970411; US 681230 A3 19960722; US 339490 B2 19941114

Applic (Number,Kind,Date): US 856513 A 19970515

Addnl Info: 5674296 Patented

National Class: \* 623017000; 606061000; 606086000; 606087000

IPC: \* A61F-002/44

Derwent WPI Acc No: \* G 97-502225; G 99-141763; G 99-141763

Language of Document: English

Patent (Number,Kind,Date): US6001130 A 19991214

HUMAN SPINAL DISC PROSTHESIS WITH HINGES (English)

Patent Assignee: BRYAN VINCENT (US); KUNZLER ALEX (US)

Author (Inventor): BRYANVINCENT (US); KUNZLER ALEX (US)

Priority (Number,Kind,Date): US 944378 A 19971006; CA 2202453 A 19970411; US 681230 A2 19960722; US 339490 B2 19941114

Applic (Number,Kind,Date): US 944378 A 19971006

Addnl Info: 5674296 Patented

National Class: \* 623017000; 606061000

IPC: \* A61F-002/44

Derwent WPI Acc No.: C 2000-085609

Language of Document: English

Patent (Number,Kind,Date): US 6156067 A 20001205

HUMAN SPINAL DISC PROSTHESIS (English)

Patent Assignee: SPINAL DYNAMICS CORP (US)

Author (Inventor): BRYAN VINCENT (US); KUNZLER ALEX (US)

Priority (Number,Kind,Date): US 856846 A 19970515; US 681230 A2 19960722; US 339490 B2 19941114

Applc (Number,Kind,Date): US 856846 A 19970515

Addnl Info: 5674296 Patented

National Class: \* 623017150; 606061000

IPC: \* A61F-002/44; A61B-017/56; A61B-017/58

Derwent WPI Acc No.: G 2001-031376

Languageof Document: English

#### United States of America (US) - Legal Status

Number	Type	Date	Code	Text	
US 5674296 P		19941114	US AA	PRIORITY	
				US 339490 B2 19941114	
US 5674296 P		19960722	US AE	APPLICATION DATA (PATENT)	(APPL. DATA (PATENT))
				US 681230 A 19960722	
US 5674296 P		19970411	US AA	PRIORITY (PATENT)	
				CA 2202453 A 19970411	
US 5674296 P		19970428	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST	
				SPINAL TECHNOLOGIES CORPORATION 4624 E. MERCER WAY MERCER ISLAND, WASHINGTON 980 ; BRYAN, VINCENT E. JR. : 19970309; KUNZLER, ALEX : 19970309	
US 5674296 P		19970502	US AS03	MERGER	
				SPINAL DYNAMICS CORPORATION SUITE 203 15400 S.E.30TH PLACE BELLEVUE, WASHINGTON ; SPINAL TECHNOLOGIES CORPORATION : 19970310	
US 5674296 P		19971007	US A	PATENT	
US 5865846 P		19941114	US AA	PRIORITY	
				US 339490 B2 19941114	
US 5865846 P		19960722	US AA	PRIORITY	

		US 681230 A3 19960722	
US 5865846 P	19970411 US AA	PRIORITY (PATENT)	
		CA 2202453 A 19970411	
US 5865846 P	19970515 US AE	APPLICATION DATA (PATENT)	(APPL. DATA (PATENT))
		US 856513 A 19970515	
US 5865846 P	19990202 US A	PATENT	
US 6001130 P	19941114 US AA	PRIORITY	
		US 339490 B2 19941114	
US 6001130 P	19960722 US AA	PRIORITY	
		US 681230 A2 19960722	
US 6001130 P	19970411 US AA	PRIORITY (PATENT)	
		CA 2202453 A 19970411	
US 6001130 P	19971006 US AE	APPLICATION DATA (PATENT)	(APPL. DATA (PATENT))
		US 944378 A 19971006	
US 6001130 P	19991214 US A	PATENT	
US 6156067 P	19941114 US AA	PRIORITY	
		US 339490 B2 19941114	
US 6156067 P	19960722 US AA	PRIORITY	
		US 681230 A2 19960722	
US 6156067 P	19970515 US AE	APPLICATION DATA (PATENT)	(APPL. DATA (PATENT))
		US 856846 A 19970515	
US 6156067 P	20001205 US A	PATENT	

INPADOC/Family and Legal Status

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Dialog® File Number 345 Accession Number 14823028

QUESTEL SEARCH RESULTS FOR US PATENT 5,865,846  
April 12, 2001

Cluster : LEGAL  
Databases : LGST, CRXX, PAST, LITA

Search statement 1: us5865846/pn

Term not in index/PN-CRXX : US5865846  
Term not in index/PN-PAST : US5865846  
Term not in index/PN-LITA : US5865846

LGST	1
CRXX	0
PAST	0
LITA	0

\*\* SS 1 : Results 1

1/1 LGST (1/1) - (C) LEGSTAT  
PN - US 5865846 [US5865846]  
AP - US 856513/97 19970515 [1997US-0856513]  
DT - US-P  
ACT - 19970515 US/AE-A  
APPLICATION DATA (PATENT)  
{US 856513/97 19970515 [1997US-0856513]}  
- 19990202 US/A  
PATENT  
UP - 2000-52

LEXIS/NEXIS SEARCH RESULTS FOR US PATENT 5,865,846  
April 12, 2001

LEVEL 1 - 1 OF 1 PATENT

<5,865,846>

<<=2>> GET 1st DRAWING SHEET OF 10

Feb. 2, 1999

Human spinal disc prosthesis

CORE TERMS: disc, vertebral, patient, endoprosthesis, spine, concaval-convex, endoprosthetic, bone, prosthetic, resilient...

>>>

5,865,846 OR 5865846

Your search request has found no CASES.

Your search request has found no ITEMS.

Your search request has found no STORIES.